

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An apparatus comprising a unit for generating an electromagnetic field, said unit comprising:

an RF circuitry portion dimensioned and arranged to generate an antenna signal;

an antenna electrically coupled to said RF circuitry portion, said antenna being dimensioned and arranged to generate an electromagnetic field in response to an antenna signal generated by said RF circuitry portion; and

an active shield including a radiation device dimensioned and arranged to generate a near field based on the generated antenna signal for substantially canceling the electromagnetic field in a predetermined region.

2. (canceled)

3. (currently amended) The apparatus of claim [[2]] 1, further comprising:

an adjustment circuit coupled between said antenna and said RF circuitry portion.

4. (currently amended) The apparatus of claim [[2]] 1, further comprising:

a coupler coupled between said RF circuitry portion and said active shield dimensioned and arranged for generating a reduced antenna signal based on the generated

antenna signal, said active shield being dimensioned and arranged to generate the near field based on the reduced antenna signal.

5. (currently amended) The apparatus of claim 3, further comprising:

a coupler coupled between said RF circuitry portion and said adjustment circuit dimensioned and arranged for generating a reduced antenna signal based on the generated antenna signal, said active shield being dimensioned and arranged to generate the near field based on the reduced antenna signal.

6. (previously presented) The apparatus of claim 3, wherein said adjustment circuit receives a reduced antenna signal from said RF circuitry portion, said adjustment circuit being operative to output a signal to said active shield to thereby create the near field based on said reduced antenna signal.

7. (currently amended) The apparatus of claim 6, wherein the RF circuitry portion is operative to generate a reduced antenna signal that is approximately ten percent of the generated antenna signal.

8. (original) The apparatus of claim 3, wherein said adjustment circuit includes a phase shifter.

9. (original) The apparatus of claim 3, wherein said adjustment circuit includes a variable gain amplifier.

10. (original) The apparatus of claim 3, wherein said adjustment circuit includes an attenuator.

11. (original) The apparatus of claim 3, further comprising:
a sensor located in proximity to said active shield.

12. (currently amended) The apparatus of claim 3, further comprising:
a feedback circuit for controlling ~~the~~ said adjustment circuit, wherein said adjustment circuit is operative to output a signal to said active shield to thereby create the near field based on both the generated antenna signal and said feedback circuit.

13. (original) The apparatus of claim 1, wherein said predetermined region is near an operator's earpiece.

14. (currently amended) A communication apparatus comprising a unit for generating an electromagnetic field, said unit comprising:

an RF circuitry portion dimensioned and arranged to generate an antenna signal;

an antenna electrically coupled to said RF circuitry portion, said antenna being dimensioned and arranged to generate an electromagnetic field in response to an antenna signal generated by said RF circuitry portion; and

a plurality of active shields, each of said plural active shields including a radiation device dimensioned and arranged to generate a near field based on the generated antenna signal for substantially canceling the electromagnetic field in a predetermined region.

15. (previously presented) The communication apparatus of claim 14, further comprising a plurality of adjustment circuits coupled between the RF circuitry portion and said plurality of active shields.

16. (original) The communication apparatus of claim 15, wherein each of said adjustment circuits include a phase shifter and a variable gain amplifier.

17. (currently amended) The communication apparatus of claim 15, further comprising:

a plurality of feedback circuits to control the active shields, wherein said plurality of adjustment circuits are operative to output signals to respective ones of said plurality of active shields to create the near field based on both the generated antenna signal and said plurality of feedback circuits.

18. (original) The communication apparatus of claim 15, wherein said number of active shields is approximately four.

19. (currently amended) A communication apparatus including a unit for generating an electromagnetic field, said unit comprising:

an RF circuitry portion dimensioned and arranged to generate an antenna signal;

an antenna creating an electromagnetic field in response to an antennal signal generated by said RF circuitry portion; and

means for generating a near field for substantially canceling the electromagnetic field in a predetermined region based on the generated antenna signal.

20. (currently amended) A method comprising:

creating an electromagnetic field, by an antenna in a unit of a communication apparatus, in response to an antenna signal generated in the unit; and

generating, by the unit of the communication apparatus, a near field for substantially canceling the electromagnetic field in a predetermined region using an active shield, the near field being generated based on the generated antenna signal.

21. (previously presented) The method of claim 20, wherein the step of generating further comprises:

coupling an RF circuitry portion to an active shield through an adjustment circuit.

22. (previously presented) The method of claim 20, wherein the step of generating further comprises:

phase shifting and amplifying a signal from the antenna before the signal reaches the active shield.

23. (currently amended) The method of claim 22, wherein the step of generating further comprises:

feeding back from a sensor located in proximity to said active shield a signal which is used to vary the phase shifting and amplifying such that the near field is generated based on both the generated antenna signal and the fed back signal.

24. (currently amended) A method comprising:

creating an electromagnetic field, by an antenna in a unit of a communication apparatus, in response to an antenna signal generated in the unit; and

generating, in the unit of the communication apparatus, a near field for substantially canceling the electromagnetic field in a predetermined region using a plurality of active shields, the near field being generated based on the generated antenna signal.

25. (currently amended) An apparatus including a unit for generating an electromagnetic field, the unit comprising:

means for creating an electromagnetic field using an antenna based on an antenna signal generated in the apparatus; and

means for generating a near field substantially canceling the electromagnetic field in a predetermined region using an active shield based on the generated antenna signal.

26. (previously presented) The apparatus of claim 25, wherein the generating means further comprises:

means for coupling an RF circuitry portion to an active shield through an adjustment circuit.

27. (currently amended) The apparatus of claim 25, wherein the generating means further comprises:

means for phase shifting and amplifying ~~[[a]]~~ the generated antenna signal ~~from the antenna~~ before the generated antenna signal reaches the active shield.

28. (currently amended) The apparatus of claim 27, wherein the generating means further comprises:

means for feeding back from a sensor located in proximity to said active shield a signal which is used to vary the phase shifting and amplifying such that the near field is generated in response to both the generated antenna signal and the fed back signal.

29. (currently amended) An apparatus including a unit for generating an electromagnetic field, the unit comprising:

means for generating an antenna signal;

means for creating an electromagnetic field, by an antenna, in response to the generated antenna signal; and

means for generating a near field substantially canceling the electromagnetic field in a predetermined region using a plurality of active shields based on the generated antenna signal.